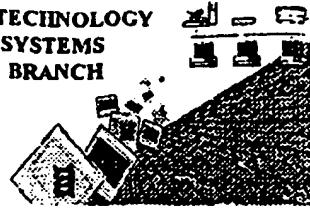




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BIOTECHNOLOGY  
SYSTEMS  
BRANCH



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/712,359  
Source: 1Ewo  
Date Processed by STIC: 11/29/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.  
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:  
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,  
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT

MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-273-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 10/712,359

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE.

1  Wrapped Nucleic  Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2  Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

3  Misaligned Amino Numbering The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4  Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5  Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.

6  PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.

7  Skipped Sequences (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(ii) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8  Skipped Sequences (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000

9  Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

13  Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



INFO

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/712,359

DATE: 11/29/2003

TIME: 13:13:21

Input Set : A:\16153-8007.txt  
Output Set: N:\CRF4\11282003\J712359.ra

3 <110> APPLICANT: CHANG, Y-H  
4 VETRO, J.A.  
5 MICKA, W.S.  
7 <120> TITLE OF INVENTION: Dominant Negative Variants of Methionine Aminopeptidase  
8 2 ("MetAP2") and Clinical Uses Therefor  
10 <130> FILE REFERENCE: 16153-8007  
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/712,359  
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593 Lys Lys Lys Lys Lys Lys  
594 595 596  
595 <210> SEQ ID NO: 79  
596 <211> LENGTH: 57  
597 <212> TYPE: PRT  
598 <213> ORGANISM: Human polylysine  
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601 602 603  
602 <210> SEQ ID NO: 80  
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605 <213> ORGANISM: Human polylysine  
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608 609 610  
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610 <211> LENGTH: 57  
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612 <213> ORGANISM: Human polylysine  
613 <400> SEQUENCE: 81  
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615 616 617  
616 <210> SEQ ID NO: 82  
617 <211> LENGTH: 57  
618 <212> TYPE: PRT  
619 <213> ORGANISM: Human polylysine  
620 <400> SEQUENCE: 82  
621 Lys Lys Lys Lys Lys Lys  
622 623 624  
623 <210> SEQ ID NO: 83  
624 <211> LENGTH: 57  
625 <212> TYPE: PRT  
626 <213> ORGANISM: Human polylysine  
627 <400> SEQUENCE: 83  
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629 630 631  
630 <210> SEQ ID NO: 84  
631 <211> LENGTH: 57  
632 <212> TYPE: PRT  
633 <213> ORGANISM: Human polylysine  
634 <400> SEQUENCE: 84  
635 Lys Lys Lys Lys Lys Lys  
636 637 638  
637 <210> SEQ ID NO: 85  
638 <211> LENGTH: 57  
639 <212> TYPE: PRT  
640 <213> ORGANISM: Human polylysine  
641 <400> SEQUENCE: 85  
642 Lys Lys Lys Lys Lys Lys  
643 644 645  
644 <210> SEQ ID NO: 86  
645 <211> LENGTH: 57  
646 <212> TYPE: PRT  
647 <213> ORGANISM: Human polylysine  
648 <400> SEQUENCE: 86  
649 Lys Lys Lys Lys Lys Lys  
650 651 652  
651 <210> SEQ ID NO: 87  
652 <211> LENGTH: 57  
653 <212> TYPE: PRT  
654 <213> ORGANISM: Human polylysine  
655 <400> SEQUENCE: 87  
656 Lys Lys Lys Lys Lys Lys  
657 658 659  
658 <210> SEQ ID NO: 88  
659 <211> LENGTH: 57  
660 <212> TYPE: PRT  
661 <213> ORGANISM: Human polylysine  
662 <400> SEQUENCE: 88  
663 Lys Lys Lys Lys Lys Lys  
664 665 666  
665 <210> SEQ ID NO: 89  
666 <211> LENGTH: 57  
667 <212> TYPE: PRT  
668 <213> ORGANISM: Human polylysine  
669 <400> SEQUENCE: 89  
670 Lys Lys Lys Lys Lys Lys  
671 672 673  
672 <210> SEQ ID NO: 90  
673 <211> LENGTH: 57  
674 <212> TYPE: PRT  
675 <213> ORGANISM: Human polylysine  
676 <400> SEQUENCE: 90  
677 Lys Lys Lys Lys Lys Lys  
678 679 680  
679 <210> SEQ ID NO: 91  
680 <211> LENGTH: 57  
681 <212> TYPE: PRT  
682 <213> ORGANISM: Human polylysine  
683 <400> SEQUENCE: 91  
684 Lys Lys Lys Lys Lys Lys  
685 686 687  
686 <210> SEQ ID NO: 92  
687 <211> LENGTH: 57  
688 <212> TYPE: PRT  
689 <213> ORGANISM: Human polylysine  
690 <400> SEQUENCE: 92  
691 Lys Lys Lys Lys Lys Lys  
692 693 694  
693 <210> SEQ ID NO: 93  
694 <211> LENGTH: 57  
695 <212> TYPE: PRT  
696 <213> ORGANISM: Human polylysine  
697 <400> SEQUENCE: 93  
698 Lys Lys Lys Lys Lys Lys  
699 700 701  
700 <210> SEQ ID NO: 94  
701 <211> LENGTH: 57  
702 <212> TYPE: PRT  
703 <213> ORGANISM: Human polylysine  
704 <400> SEQUENCE: 94  
705 Lys Lys Lys Lys Lys Lys  
706 707 708  
707 <210> SEQ ID NO: 95  
708 <211> LENGTH: 57  
709 <212> TYPE: PRT  
710 <213> ORGANISM: Human polylysine  
711 <400> SEQUENCE: 95  
712 Lys Lys Lys Lys Lys Lys  
713 714 715  
714 <2

file:///C:/CRF4/Outhold/VsrJ712359.htm

11/29/03

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/712,359

DATE: 11/29/2003  
TIME: 13:13:21

Input Set : A:\16153-8007.txt  
Output Set: N:\CRF4\11282003\J712359.raw

66 <213> ORGANISM: *Saccharomyces* polylysine  
 68 <400> SEQUENCE: 3  
 69 Thr Asp Ala Glu Ile Glu Asn Ser Pro Ala Ser Asp Leu Lys Glu Leu  
 70 1 5 10 15  
 72 Asn Leu Glu Asn Glu Gly Val Glu Gln Gln Asp Gln Ala Lys Ala Asp  
 73 20 25 30  
 75 Glu Ser Asp Pro Val Glu Ser Lys Lys Lys Lys Asn Lys Lys Lys Lys  
 76 35 40 45  
 78 Lys Lys Lys Ser Asn Val Lys Lys Ile  
 79 50 55  
 82 <210> SEQ ID NO: 4  
 83 <211> LENGTH: 35 *invalid response - see item 10 on Error Summary Sheet*  
 84 <212> TYPE: DNA  
 85 <213> ORGANISM: *Synthetic* oligonucleotide  
 87 <400> SEQUENCE: 4  
 88 caaccattgt gctgcagctt tcacacccaa tgcag 35  
 90 <210> SEQ ID NO: 5  
 91 <211> LENGTH: 35  
 92 <212> TYPE: DNA  
 93 <213> ORGANISM: Artificial Sequence  
 95 <220> FEATURE:  
 96 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic  
 97 oligonucleotide  
 99 <400> SEQUENCE: 5  
 100 ctgcattggg tgtgaaagct gcagcacaat ggttg 35  
 102 <210> SEQ ID NO: 6  
 103 <211> LENGTH: 478  
 104 <212> TYPE: PRT  
 105 <213> ORGANISM: Human dnvMetAP2  
 107 <220> FEATURE:  
 108 <221> NAME/KEY: SITE  
 109 <222> LOCATION: (219)  
 110 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
 112 <220> FEATURE:  
 113 <221> NAME/KEY: SITE  
 114 <222> LOCATION: (231)  
 115 <223> OTHER INFORMATION: May be any amino acid, except His  
 117 <220> FEATURE:  
 118 <221> NAME/KEY: SITE  
 119 <222> LOCATION: (251)  
 120 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
 122 <220> FEATURE:  
 123 <221> NAME/KEY: SITE  
 124 <222> LOCATION: (262)  
 125 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
 127 <220> FEATURE:  
 128 <221> NAME/KEY: SITE  
 129 <222> LOCATION: (328)  
 130 <223> OTHER INFORMATION: May be any naturally occurring amino acid

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/712,359

DATE: 11/29/2003  
TIME: 13:13:21

Input Set : A:\16153-8007.txt  
Output Set: N:\CRF4\11282003\J712359.raw

132 <220> FEATURE:  
133 <221> NAME/KEY: SITE  
134 <222> LOCATION: (331)  
135 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
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138 <221> NAME/KEY: SITE  
139 <222> LOCATION: (338)...(339)  
140 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
142 <220> FEATURE:  
143 <221> NAME/KEY: SITE  
144 <222> LOCATION: (364)  
145 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
147 <220> FEATURE:  
148 <221> NAME/KEY: SITE  
149 <222> LOCATION: (444)  
150 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
152 <220> FEATURE:  
153 <221> NAME/KEY: SITE  
154 <222> LOCATION: (447)  
155 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
157 <220> FEATURE:  
158 <221> NAME/KEY: SITE  
159 <222> LOCATION: (459)  
160 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
162 <400> SEQUENCE: 6  
163 Met Ala Gly Val Glu Glu Val Ala Ala Ser Gly Ser His Leu Asn Gly  
164 1 5 10 15  
166 Asp Leu Asp Pro Asp Asp Arg Glu Glu Gly Ala Ala Ser Thr Ala Glu  
167 20 25 30  
169 Glu Ala Ala Lys Lys Lys Arg Arg Lys Lys Lys Ser Lys Gly Pro  
170 35 40 45  
172 Ser Ala Ala Gly Glu Gln Glu Pro Asp Lys Glu Ser Gly Ala Ser Val  
173 50 55 60  
175 Asp Glu Val Ala Arg Gln Leu Glu Arg Ser Ala Leu Glu Asp Lys Glu  
176 65 70 75 80  
178 Arg Asp Glu Asp Asp Glu Asp Gly Asp Gly Asp Gly Ala Thr  
179 85 90 95  
181 Gly Lys Lys Lys Lys Lys Lys Lys Arg Gly Pro Lys Val Gln  
182 100 105 110  
184 Thr Asp Pro Pro Ser Val Pro Ile Cys Asp Leu Tyr Pro Asn Gly Val  
185 115 120 125  
187 Phe Pro Lys Gly Gln Glu Cys Glu Tyr Pro Pro Thr Gln Asp Gly Arg  
188 130 135 140  
190 Thr Ala Ala Trp Arg Thr Thr Ser Glu Glu Lys Lys Ala Leu Asp Gln  
191 145 150 155 160  
193 Ala Ser Glu Glu Ile Trp Asn Asp Phe Arg Glu Ala Ala Glu Ala His  
194 - 165 170 175  
196 Arg Gln Val Arg Lys Tyr Val Met Ser Trp Ile Lys Pro Gly Met Thr  
197 180 185 190

RAW SEQUENCE LISTING DATE: 11/29/2003  
 PATENT APPLICATION: US/10/712,359 TIME: 13:13:21

Input Set : A:\16153-8007.txt  
 Output Set: N:\CRF4\11282003\J712359.raw

199 Met Ile Glu Ile Cys Glu Lys Leu Glu Asp Cys Ser Arg Lys Leu Ile  
 200 195 200 205  
 W--> 202 Lys Glu Asn Gly Leu Asn Ala Gly Leu Ala Xaa Pro Thr Gly Cys Ser  
 203 210 215 220  
 205 Leu Asn Asn Cys Ala Ala Xaa Tyr Thr Pro Asn Ala Gly Asp Thr Thr  
 206 225 230 235 240  
 208 Val Leu Gln Tyr Asp Asp Ile Cys Lys Ile Xaa Phe Gly Thr His Ile  
 209 245 250 255  
 211 Ser Gly Arg Ile Ile Xaa Cys Ala Phe Thr Val Thr Phe Asn Pro Lys  
 212 260 265 270  
 214 Tyr Asp Thr Leu Leu Lys Ala Val Lys Asp Ala Thr Asn Thr Gly Ile  
 215 275 280 285  
 217 Lys Cys Ala Gly Ile Asp Val Arg Leu Cys Asp Val Gly Glu Ala Ile  
 218 290 295 300  
 220 Gln Glu Val Met Glu Ser Tyr Glu Val Glu Ile Asp Gly Lys Thr Tyr  
 221 305 310 315 320  
 223 Gln Val Lys Pro Ile Arg Asn Xaa Asn Gly Xaa Ser Ile Gly Gln Tyr  
 224 325 330 335  
 226 Arg Xaa Xaa Ala Gly Lys Thr Val Pro Ile Val Lys Gly Glu Ala  
 227 340 345 350  
 229 Thr Arg Met Glu Glu Gly Glu Val Tyr Ala Ile Xaa Thr Phe Gly Ser  
 230 355 360 365  
 232 Thr Gly Lys Gly Val Val His Asp Asp Met Glu Cys Ser His Tyr Met  
 233 370 375 380  
 235 Lys Asn Phe Asp Val Gly His Val Pro Ile Arg Leu Pro Arg Thr Lys  
 236 385 390 395 400  
 238 His Leu Leu Asn Val Ile Asn Glu Asn Phe Gly Thr Leu Ala Phe Cys  
 239 405 410 415  
 241 Arg Arg Trp Leu Asp Arg Leu Gly Glu Ser Lys Tyr Leu Met Ala Leu  
 242 420 425 430  
 244 Lys Asn Leu Cys Asp Leu Gly Ile Val Asp Pro Xaa Pro Pro Xaa Cys  
 245 435 440 445  
 247 Asp Ile Lys Gly Ser Tyr Thr Ala Gln Phe Xaa His Thr Ile Leu Leu  
 248 450 455 460  
 250 Arg Pro Thr Cys Lys Glu Val Val Ser Arg Gly Asp Asp Tyr  
 251 465 470 475  
 254 <210> SEQ ID NO: 7  
 255 <211> LENGTH: 478  
 256 <212> TYPE: PRT  
 257 <213> ORGANISM: Mouse MetAP2  
 259 <220> FEATURE:  
 260 <221> NAME/KEY: SITE  
 261 <222> LOCATION: (219)  
 262 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
 264 <220> FEATURE:  
 265 <221> NAME/KEY: SITE  
 266 <222> LOCATION: (231)  
 267 <223> OTHER INFORMATION: May be any amino acid, except His  
 269 <220> FEATURE:

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/712,359

DATE: 11/29/2003

TIME: 13:13:21

Input Set : A:\16153-8007.txt

Output Set: N:\CRF4\11282003\J712359.raw

270 <221> NAME/KEY: SITE  
271 <222> LOCATION: (251)  
272 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
274 <220> FEATURE:  
275 <221> NAME/KEY: SITE  
276 <222> LOCATION: (262)  
277 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
279 <220> FEATURE:  
280 <221> NAME/KEY: SITE  
281 <222> LOCATION: (328)  
282 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
284 <220> FEATURE:  
285 <221> NAME/KEY: SITE  
286 <222> LOCATION: (331)  
287 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
289 <220> FEATURE:  
290 <221> NAME/KEY: SITE  
291 <222> LOCATION: (338)..(339)  
292 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
294 <220> FEATURE:  
295 <221> NAME/KEY: SITE  
296 <222> LOCATION: (364)  
297 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
299 <220> FEATURE:  
300 <221> NAME/KEY: SITE  
301 <222> LOCATION: (444)  
302 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
304 <220> FEATURE:  
305 <221> NAME/KEY: SITE  
306 <222> LOCATION: (447)  
307 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
309 <220> FEATURE:  
310 <221> NAME/KEY: SITE  
311 <222> LOCATION: (459)  
312 <223> OTHER INFORMATION: May be any naturally occurring amino acid  
314 <400> SEQUENCE: 7  
315 Met Ala Gly Val Glu Gln Ala Ala Ser Phe Gly Gly His Leu Asn Gly  
316 1 5 10 15  
318 Asp Leu Asp Pro Asp Asp Arg Glu Glu Gly Thr Ser Ser Thr Ala Glu  
319 20 25 30  
321 Glu Ala Ala Lys Lys Lys Arg Arg Lys Lys Lys Gly Lys Gly Ala  
322 35 40 45  
324 Val Ser Ala Val Gln Gln Glu Leu Asp Lys Glu Ser Gly Ala Leu Val  
325 50 55 60  
327 Asp Glu Val Ala Lys Gln Leu Glu Ser Gln Ala Leu Glu Glu Lys Glu  
328 65 70 75 80  
330 Arg Asp Asp Asp Asp Glu Asp Gly Asp Gly Asp Ala Asp Gly Ala Thr  
331 — 85 90 95  
333 Gly Lys Lys Lys Lys Lys Lys Lys Arg Gly Pro Lys Val Gln

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/712,359

DATE: 11/29/2003  
TIME: 13:13:22

Input Set : A:\16153-8007.txt  
Output Set: N:\CRF4\11282003\J712359.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459  
Seq#:7; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459  
Seq#:8; Xaa Pos. 162,174,194,205,271,274,281,282,307,387,390,402  
Seq#:9; N Pos. 693  
Seq#:10; N Pos. 693  
Seq#:11; N Pos. 522  
Seq#:16; Xaa Pos. 219,231,251,262,328,331,338,339,364,444,447,459  
Seq#:18; N Pos. 779